ME 699 Nuclear Packaging Internships (3 credits)

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Course Description: Supervised independent use of engineering skills for professional project planning, performance, and communications at a National Laboratory or DOE Site. Pre requisite: ME graduate standing or permission of the instructor. 3 credits.

Program Requirement: Elective for the Graduate Certificate in Nuclear Packaging

Course Student Learning Outcomes: Students will demonstrate:
1. An ability to identify, formulate, and solve engineering problems.
2. An ability to explain professional and ethical responsibility and identify professional and ethical issues.
3. An ability to communicate effectively.
4. A broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and social context.
5. An ability to explain the need for, and an ability to, engage in life-long learning.
6. An ability to identify and analyze contemporary issues.

Textbook: To be determined

Website: To be determined

Course Requirements

Before Course Registration: Students must complete all of these requirements before the Department will allow him or her to register for the course.
1. The Student Intern must identify a Site Supervisor from a National Lab or DOE Site (Internship Site) who is committed to working with the student and a UNR Faculty Member to:
   a. Propose a project that will be conducted primarily at the Internship Site and require 270 hours of Student Intern involvement. Acceptability of the project for course credit is determined by the UNR Faculty Member.
   b. Supervise and mentor the Student Intern in conducting the planned internship project.
   c. Work with the UNR Faculty Member to evaluate the project outcomes.
2. The Student Intern must complete any needed background checks or security clearances required by the Internship Site.
3. The student will work with the Internship Site and Site Supervisor to complete or obtain all forms and documents required by the UNR College of Engineering Career Services Office. These forms include, but may not be limited:
   a. Student Learning Agreement (completed by Student Intern)
   b. Waiver, Release, and Indemnification Agreement (completed by Student Intern)
c. Inter Site Agreement (completed by Internship Site)
d. Copy of Intern Site’s Certificate of General Liability Insurance (completed by Intern Site)

Internship Work and Grading

- The Student Intern will collaborate with the Site Supervisor and UNR Faculty Member to create a formal Internship Proposal that includes the following items:

  (a) Project title, goals, and expected outcomes
  (b) Work schedule including gathering initial background information and reading assignments, Midterm Report, Final Report, and important milestones.
  (c) Requirements of the Final Report. This must include assessing achievement of all course student learning outcomes.
  (d) Resources that are being committed by the Internship Site and UNR to complete the work
  (e) A plan to address contingencies, such as the Site Supervisor leaving the Internship Site, or reduced resources.

The Faculty Member must accept the proposal by the University’s final day to receive a 100% refund if dropping an individual class (which is generally during the first week of classes). Otherwise, the student must withdraw from the course. If the Internship Proposal is accepted, it will account for 10% of the course grade.

- The Student Intern will conduct the planned work primarily at the Internship Site. Participating in meetings and other activities of the organization is an important part of the internship. The Student Intern must spend at least 120 hours at the Internship Site, as verified by that Site.

- At all times, the intern will act in an ethical and professional manner. Any misconduct observed by the Site Supervisor must be brought to the attention of the Student Intern and Faculty Member. If an issue is not resolved to the satisfaction of the Faculty Member (with input from the Site Supervisor), the internship will be ended, and the Student Intern will be assigned a failing (F) course grade.

- Roughly halfway through the internship, the Student Intern will produce an Midterm Report describing progress toward the internship milestones and goals. Important issues that may arise and limit the project success, and any necessary Revisement Plan to address those issues, including changing the project goals, must be included in the Midterm Report. The Midterm Report report will be graded by the Faculty Member (with input from the Site Supervisor), and account for 35% of the course grade.

- At the end of the project, the student will produce a Final Report. This report may be a presentation, a written report, or both, as specified in the Internship Proposal. The final report will account for 55% of the course grade. Grading will be based on the intern's compliance with the Internship Proposal and any Revisement Plan, and the assessed
quality of the completed assignment. The Final Report report will be graded by the Faculty Member (with input from the Site Supervisor).

- Grading and Schedule
  - Internship Proposal, Due during 1st week of the semester 10%
  - Midterm Report/Revisement Plan, Due 7th week of semester 35%
  - Final Report, Due during the Finals period 55%
  - Grading: > 90% A; >80% B; >70% C; > 60% D, ≤ 60% F

Additional appropriate requirements, expectations, and policies may be included in the Internship Proposal.

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ACADEMIC DISHONESTY: Cheating is a disservice to the student cheater as well as the instructor and other students. High ethical standards are essential to the proper functioning of our legal and justice systems; so too, must they be expected of students who may be anticipating graduate education and careers in criminal justice, law, or related justice fields. Students are expected to personally write and complete all assignments/exams/papers which are attributed to them by name. Impermissible conduct includes, but is not limited to, copying another student's work, allowing a student to copy your work, buying/selling papers, and plagiarism.

According to the Office of Student Conduct, academic dishonesty is against university as well as the system community standards. Academic dishonesty includes, but is not limited to, the following:

**Plagiarism:** defined as submitting the language, ideas, thoughts or work of another as one's own; or assisting in the act of plagiarism by allowing one's work to be used in this fashion.

**Cheating:** defined as (1) obtaining or providing unauthorized information during an examination through verbal, visual or unauthorized use of books, notes, text and other materials; (2) obtaining or providing information concerning all or part of an examination prior to that examination; (3) taking an examination for another student, or arranging for another person to take an exam in one's place; (4) altering or changing test answers after submittal for grading, grades after grades have been awarded, or other academic records once these are official.

Academic dishonesty will not be tolerated. Violations can and will result in discipline ranging from a zero for the assignment to failing the course, or other discipline as provided under university policy and procedures. For details on disciplinary policies and procedures, contact the Office of Student Conduct or visit its website.

**USE OF ELECTRONIC DEVICES:** The Board of Regents has also adopted a policy addressing the use of electronic devices which provides: “Surreptitious or covert video-taping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may be given
permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.”

**DISABILITY RESOURCE CENTER & ACCOMMODATION** - Students requiring accommodation should contact the Disability Resource Center at 784-6000.

**ACADEMIC SUCCESS SERVICES:** Your student fees cover usage of several centers on campus including the University Writing Center (http://www.unr.edu/writing_center/ or 784-6030). It is your responsibility to take advantage of their services.